



DAEMMSTOFF
INDUSTRIE KOREA LTD.

Fire Stop



株式會社 韓國潭水土富

DAEMMSTOFF
INDUSTRIE KOREA LTD.

THE FIRE TEST – FIRE STOP SYSTEM A-119N

Corresponding to IEC Publicating 60332-3-22, category A.(2000) cable sections at a length of 3.5m were arranged in a cable bundle without clearance on cable tracks and wrapped with 500mm length FIRE STOP SYSTEM A-119N. The test set up was placed vertically in the furnace and fired for 40 minutes.



▲ Before Fire Test (cable only)



▲ During Fire Test (cable only)



▲ Front side section after Fire Test
(cable only)



▲ Before Fire Test
(Fire stop system A-119N)



▲ During Fire Test

The standard burner, the ribbon gas burner of this test the fuel input rate should be 13.5 ± 0.5 l/min and the air input 77.7 ± 4.8 l/min



▲ Front side section after Fire Test

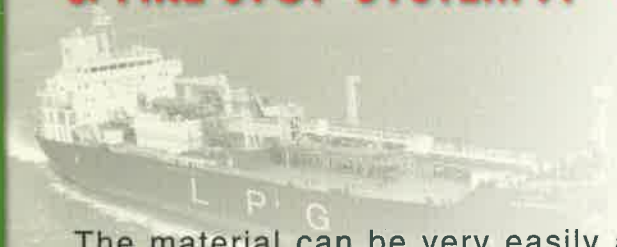


▲ Back side section after Fire Test



After the test, A-119N was removed no damage cables, could be found only on the above Fire exposed area.

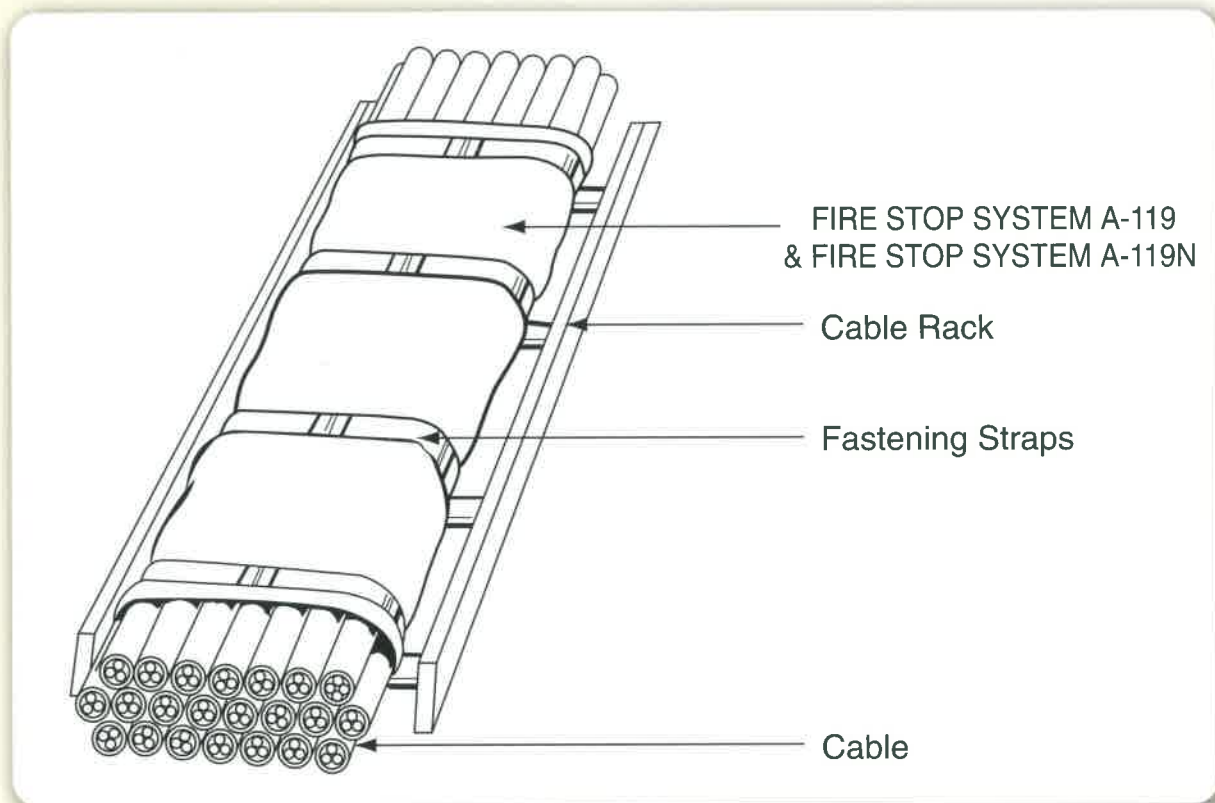
Installation Instruction for FIRE STOP SYSTEM A-119 & FIRE STOP SYSTEM A-119N



The material can be very easily and simply wrapping by cable ties or wire at around the cable bundles at three or four points on 500mm length FIRE STOP SYSTEM A-119 & FIRE STOP SYSTEM A-119N.

For horizontal cable runs in distance of 14m have a length of 500mm FIRE STOP SYSTEM A-119 & FIRE STOP SYSTEM A-119N.

For Vertical cable runs in distance of 6m have a length of 500mm FIRE STOP SYSTEM A-119 & FIRE STOP SYSTEM A-119N.



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Published on <http://www.veritas.com>
 Certificate No:
 02221/ED BV
 The attached Schedule forms part of the certificate
 File Number: ACE 14002/01
 Product Code: 2241D



CERTIFICATE OF TYPE APPROVAL

This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations.

FLAME RETARDING COATING
 FS MASTIC and FIRE STOP SYSTEM A 119

MANUFACTURED BY:

DAEMMSTOFF INDUSTRIE
 BUSAN - KOREA (REPUBLIC OF KOREA)

SPECIFIED REGULATIONS & STANDARDS:
 BV Rules for the Classification of Steel Ships, Part C, Chapter 2

The Approval is valid until: 11-05-2010

BUREAU VERITAS PUSAN

At Paris la Defense



Germanischer Lloyd

Type Approval Certificate

This is to certify that the undermentioned product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 97 569 - 91 HH
 Company Daemmstoff-Industrie Korea Ltd.
 1505-1, Dadaedong, Saha-Gu Busan, Korea
 Product Description Cable coating material
 Type FIRE STOP SYSTEM A 119
 Environmental Category None
 Technical Data / Range of Application The fire stop system A-119 consist of a non combustible glass fibre mat with a length of 500mm or 1000mm. Both sides of the glass fibre mat are coated with FS-MASTIC (see GL-Certificate No. 97 568 - 91 HH).

Purpose: Limitation of fire spreading along cable bunches in accordance with 1981 Amendments to SOLAS 1974, Chapter II-1 Rule 45, 5-2
 Structure: As regards properties, structure and facing generally, the manufacturer's specifications apply:

Catalogue of DKK Daemmstoff-Industrie Korea Ltd. "Fire Stop System A-119"



ABS TYPE APPROVAL PROGRAM

Confirmation of Type Approval

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (PDA) for the below listed product, entitling the product to Type Approval. The Manufacturing Assessment is valid only for products intended for use on ABS Classed vessels, or under contract for construction on the date of the Assessment.

For Date of ABS Rules used for construction on the date of the Assessment. This Confirmation of Product Type Approval is valid as of the date of the Assessment. ABS makes no representations regarding Type Approval of the Product built after the date of the ABS Rules used for evaluation.

Due to a wide variety of specifications used in the products ABS has evaluated, the Client has full responsibility for continued compliance with the standard is an ABS Rule or a non-ABS Rule. As specified in the ABS Rules, in addition to Product Type Approval, please refer to the "Service Restrictions" which are required for this product.

Presented to:
 Daemmstoff-Industrie Korea Ltd.
 1505-1, Dadae-Dong
 Saha-Gu
 Busan
 Republic of Korea

Daemmstoff-Industrie Korea Ltd.
 Model Name(s): A-119

Product Description:

To prevent propagation of fire on electric cables, thereby upgrading the redundancy of the installed cables to the equivalent of IEC 60332-3 Category A.
 Fire protective mat for electric cable
 N/A
 Unit Certification is not required for this product. Cable runs are to be wrapped by at least 500mm every 14m for horizontal runs and by at least 500mm every 6m for vertical runs by fire stop system A-119.
 Type approval is based on Fire Insurers Laboratories of Korea Test Report No. 2004-1532 Dated 29 December 2004

This product/model is covered under Product Design Assessment (PDA) Certificate # 05-4900842-PDA, dated 07/Apr/2005. This PDA Certificate expires Apr of 2010. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).
 2005 Steel Vessel Rules 1-1-4/7.7 2005 Steel Vessel Rules 1-1-4/7.7 2005 Steel Vessel Rules 4-8-3/9.5
 IEC 60332-3-10 & 60332-3-22 Category A (2000-10)

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Certificate Number: 05-BK594373-X



NIPPON KAIJI KYOKAI

Certificate of Test Type Test

Certificate No. TA05703M

MANUFACTURER: DAEMMSTOFF-INDUSTRIE KOREA LTD., Busan, Korea
 PRODUCT: Fire Stop System for Electric Cable Runs
 TYPE NO.: Fire Stop System A-119

APPROVED NO. 89V20015

PARTICULARS:

Installation
 1. To wrap the Fire Stop System A-119 around cables at least 0.5m or 1m in every 14m for horizontal cable runs.
 2. To wrap the Fire Stop System A-119 around cables at least 0.5m or 1m in every 6m or every second deck for vertical cable runs.
 Applied Standard IEC 60332-3 Category A

THIS IS TO CERTIFY that the above mentioned type of product has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements for the electrical tests specified in the Society's Rules.
 This certificate is valid until the 9th day of February, 2009.
 Issued at Tokyo on the 10th day of February, 2005.

S. Oshwa
 General Manager
 Machinery Department



株式會社 韓國潭水土富

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